


 Click [here](#) for the 3D model.

### General Information

Series	MPXV
Style	SMD Molded
Core	Metal Composite
Description	Surface Mount Inductor
Features	Power Inductors
RoHS	Yes
Qualifications	AEC-Q200
AEC-Q200	Yes
Miscellaneous	40 (K) Temperature Rise Max.

### Dimensions

L	13.2mm +/-0.4mm
W	12.5mm +/-0.2mm
T	6.4mm MAX
G	4.7mm +/-0.3mm

### Specifications

Inductance	0.47 uH (100 kHz)
Inductance Tolerance	20%
Rated Current	38.2 A (Irms, 40C Rise By Self Heating)
Saturation Current	40 A (Isat, 20% Drop In Inductance), 58 A (Isat, 30% Drop In Inductance)
Temperature Range	-55/+155°C
Shielded	Yes
DC Resistance	1.7 mOhms
DC Resistance	1.7 mOhms
Self-Resonant Frequency	53 MHz

### Packaging Specifications

Typical Component Weight	5.5 g
Packaging	T&R, 330mm
Packaging Quantity	250

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